***COMPLETE IN NOTEBOOK! SHOW ALL WORK IN NOTEBOOK!****COPY ALL FIGURES INTO NOTEBOOK!*

CW62/HW62: Special Right Δ 45°-45°-90°

**Geometry**

Due: Thurs, Feb 23rd

|  |  |  |
| --- | --- | --- |
| 1. Find the length of the hypotenuse. | 1. Find the value of each variable. Write answers in the simplest radical form. | 1. Find x and y .   x  12√2  y |
| 1. Find x. | 1. Find the value of each variable. Write answers in the simplest radical form. | 1. The diagonal of a square √12   a. Find the length of the side of the square.  b. Find the area of the square. |
| 1. . Find n and mScreen%20Shot%202016-01-21%20at%207 | 1. Find x and y.   Screen%20Shot%202016-01-21%20at%207 | 1. Find x. |
| 1. Find the value of each variable. Write answers in the simplest radical form. | 1. Find the value of each variable. Write answers in the simplest radical form. | 1. Find the value of each variable. Write answers in the simplest radical form. |
| 1. Fill in the table.  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | *X* | 5 |  | 17 | 9 |  | | *Y* |  |  |  |  | 24 | | | 1. The area of the shaded region is 45 inches squared. Find the missing hypotenuses for both triangles. Write a proof explaining how you found your answer.   7√2 in. |

Review